

Converting Colors

$Yxy(37.2036, 0.2516, 0.2933)$

Have a look what the booklet for
Yxy(37.2036, 0.2516, 0.2933)
contains.

Yxy(37.2036, 0.2516, 0.2933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2036, 0.2516, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	74ACC4
RGB	116, 172, 196
RGB Percent	45%, 67%, 77%
CMY	0.5453, 0.3254, 0.2313
CMYK	0.41, 0.12, 0.00, 0.23
HSL	198°, 40%, 61%
HSV	198°, 41%, 77%
XYZ	31.9142, 37.2036, 57.7271
YIQ	157.9920, -41.0800, -4.4080

Conversions

Conversions Part 2

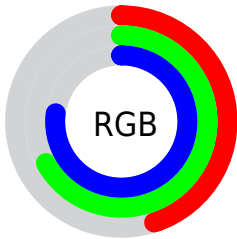
Format	Color
R _Y B	116, 149, 196
Decimal	7646404
CIE Lab	67.43, -12.09, -18.03
CIE LCh	67, 21.704, 236.162
Yxy	37.2036, 0.2516, 0.2933
Android (android.graphics.Color)	4285836484 (0xFF74ACC4)
YUV	157.9920, 18.7379, -36.8270
Hunter-Lab	60.9948, -13.3446, -13.4173

Details

The Yxy color **37.2036, 0.2516, 0.2933** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.7370, 0.4019, 0.3615**, and the grayscale version is **34.1119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6879, 0.2627, 0.2995**, and **16.4101, 0.2341, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **33.8139, 0.2383, 0.2828**, and if you desaturate by 10%, it is **40.9784, 0.2659, 0.3032**.

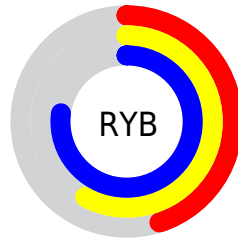
Distribution



Red (45%)

Green (67%)

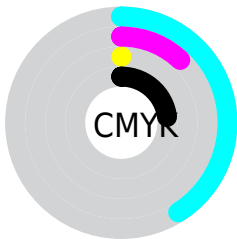
Blue (77%)



Red (45%)

Yellow (58%)

Blue (77%)

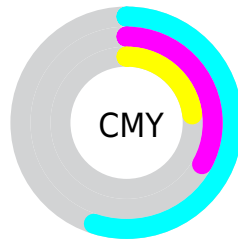


Cyan (41%)

Magenta (12%)

Yellow (0%)

Black (23%)



Cyan (55%)


Magenta (33%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2036, 0.2516, 0.2933 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 37.2036, 0.2516, 0.2933 by changing the saturation by 10% instead.


 37.2036, 0.2516,
0.2933


 37.2036, 0.2516,
0.2933

334.1912, 0.2826,
0.3122


 25.3652, 0.2438,
0.2883


 70.8858, 0.2629,
0.3004

 16.3493, 0.2337,
0.2816


 93.4984, 0.2672,
0.3030

 9.7717, 0.2203,
0.2725


 120.4711, 0.2707,
0.3052

 5.2478, 0.2017,
0.2592

152.1884, 0.2738,
0.3070

 2.3934, 0.1742,
0.2384

189.0347, 0.2764,
0.3086

 0.8225, 0.1210,
0.2044

231.3943, 0.2787,

 0.0000, 0.0000,

0.3100

0.0000

279.6517, 0.2808,
0.3112

■ 37.2036, 0.2516,
0.2933

■ 37.2036, 0.2516,
0.2933

■ 33.8139, 0.2383,
0.2828

■ 40.9784, 0.2659,
0.3032

■ 30.7858, 0.2263,
0.2719

■ 45.1516, 0.2809,
0.3123

■ 28.0992, 0.2159,
0.2606

■ 49.7410, 0.2961,
0.3208

■ 25.7302, 0.2075,
0.2493

■ 54.7619, 0.3114,
0.3284

■ 23.6501, 0.2011,
0.2380

■ 60.2289, 0.3265,
0.3353

■ 21.9505, 0.1966,
0.2278

■ 66.1555, 0.3412,
0.3414

■ 72.5549, 0.3554,
0.3468

■ 75.9148, 0.3555,
0.3526

■ 79.0348, 0.3542,
0.3584

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2036, 0.2573, 0.3200



37.2036, 0.2516, 0.2933



37.2036, 0.2610, 0.2780

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.2036, 0.2516, 0.2933



37.2036, 0.3480, 0.3072



37.2036, 0.3397, 0.3876

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.2036, 0.2516, 0.2933



31.7370, 0.4019, 0.3615

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.2036, 0.3659, 0.3803



37.2036, 0.2516, 0.2933



37.2036, 0.3713, 0.3334

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.2036, 0.2516, 0.2933



37.2036, 0.3156, 0.2867



37.2036, 0.3778, 0.3599



37.2036, 0.3072, 0.3772

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.2036, 0.2516, 0.2933



37.2036, 0.2750, 0.2752



37.2036, 0.3778, 0.3599



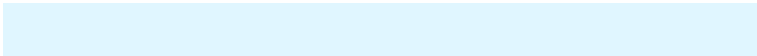
37.2036, 0.3496, 0.3870

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.2050, 0.2516, 0.2933



88.9384, 0.2941, 0.3197



45.0461, 0.2925, 0.4173



18.7939, 0.2920, 0.3186



0.0000, 0.0000, 0.0000



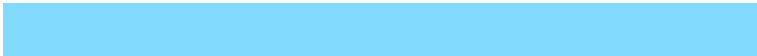
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.2050, 0.2516, 0.2933



61.8788, 0.2396, 0.2840



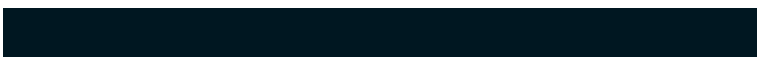
24.5519, 0.2420, 0.2321



10.9022, 0.2984, 0.3219



14.2595, 0.1971, 0.2293



0.7320, 0.2040, 0.2542

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.1952, 0.3439, 0.2565



42.2769, 0.3532, 0.2415



45.1013, 0.3813, 0.4097



10.1944, 0.3182, 0.3130



8.7217, 0.4133, 0.2051



0.3885, 0.3881, 0.1911

Previews

White Background



This preview shows how the Yxy color 37.2036, 0.2516, 0.2933 looks on a white background.

Color Contrast Check

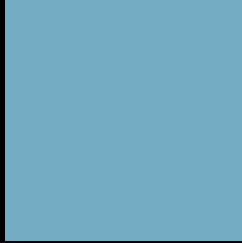
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 37.2036, 0.2516, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

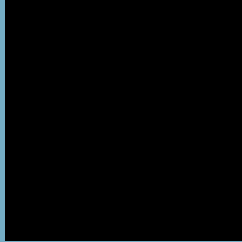
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2036, 0.2516, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 37.2036, 0.2516, 0.2933.



This preview shows how white text looks on a background with the Yxy color 37.2036, 0.2516, 0.2933.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.2036, 0.2516, 0.2933

Protanopia

36.8857, 0.2875, 0.2913

Deuteranopia

36.9465, 0.2822, 0.2759



Tritanopia

37.0524, 0.2562, 0.3076

Trichromacy



Original Color

37.2036, 0.2516, 0.2933

Protanomaly

36.9178, 0.2724, 0.2917

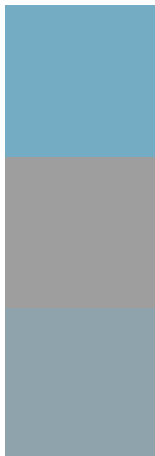
Deuteranomaly

36.6479, 0.2694, 0.2810

Tritanomaly

37.2497, 0.2549, 0.3033

Monochromacy



Original Color

37.2036, 0.2516, 0.2933

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0126, 0.2871, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2036, 0.2516, 0.2933 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 172, 196)` looks like.

```
.text, #text, p{  
    color:rgb(116, 172, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 172, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 172, 196) }
```

Border

The CSS property to change the border of an element to Yxy 37.2036, 0.2516, 0.2933 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 172, 196) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 172, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 172, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 172, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 172, 196);  
box-shadow:4px 4px 4px 4px rgb(116, 172,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2036, 0.2516, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 172, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
172, 196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor